

## CLAIMS

1        1. A portable computer system, comprising:

2            a base portion having a top surface; and

3            a projection display coupled to the base portion and movable between an open position

4 and a closed position with respect to the base portion, the projection display comprising:

5            an image generator for generating images;

6            a projection surface for displaying images generated by the image generator;

7 and

8            an optical system disposed between the image generator and the projection

9 surface, the optical system configured to discernably focus images generated by the

10 image generator onto the projection surface.

1        2. The portable computer system of claim 1, wherein the projection surface is

2 formed of a pliable material, the pliable material capable of being expanded to have a surface

3 area greater than the display area of the image generator when the projection display is in an

4 open position.

1        3. The portable computer system of claim 1, wherein the projection surface is

2 formed of a plurality of rigid panels.

1        4. The portable computer system of claim 3, wherein the rigid panels comprise a

2 main display panel and two ancillary display panels, the two ancillary display panels coupled

3 to the main display panel and movable with respect to the main display panel between a

4 folded position and a substantially coplanar position.

1        5. The portable computer system of claim 4, further comprising:

2            a display enclosure, the image generator and optical system being integral with or

3 rigidly coupled to the display enclosure; and

4            resilient attachment members, wherein the projection surface is attached to the display

5 enclosure via the resilient attachment members.

1        6. The portable computer system of claim 5, further comprising:

2 a display enclosure, the image generator and optical system being integral with or  
3 rigidly coupled to the display enclosure; and

4 hinged attachment members, wherein the projection surface is attached to the display  
5 enclosure via the hinged attachment members.

1 7. The portable computer system of claim 1, further comprising means for  
2 collapsing the projection surface when the projection display is moved to a closed position.

1 8. The portable computer system of claim 7, wherein the means for collapsing the  
2 projection surface comprise retractable hooking members.

1 9. The portable computer system of claim 7, wherein the means for collapsing the  
2 projection surface comprise a roller assembly.

1 10. The portable computer system of claim 1, further comprising a polarizing filter  
2 disposed between the image generator and the projection surface.

1 11. The portable computer system of claim 1, wherein the image generator is a  
2 field emission display.

1 12. The portable computer system of claim 1, wherein the image generator is a  
2 liquid crystal display.

1 13. The portable computer system of claim 1, wherein the optical system is a  
2 convex lens.

1 14. A projection display for attachment to a base portion of a portable computer  
2 system, the projection display comprising:

3 an image generator for generating images;

4 a projection surface for displaying images generated by the image generator; and

5 an optical system disposed between the image generator and the projection surface, the  
6 optical system configured to discernably focus images generated by the image generator onto  
7 the projection surface.

1        15. The projection display of claim 14, wherein the projection surface is formed of  
2 a pliable material, the pliable material, when taut, having a surface area greater than the  
3 display area of the image generator.

1        16. The projection display of claim 14, wherein the projection surface is formed of  
2 a plurality of rigid panels.

1        17. The projection display of claim 16, wherein the rigid panels comprise a main  
2 display panel and two ancillary display panels, the two ancillary display panels coupled to  
3 the main display panel and movable with respect to the main display panel between a folded  
4 position and a substantially coplanar position.

1        18. The projection display of claim 14, wherein the image generator is a field  
2 emission display.

1        19. The projection display of claim 14, wherein the image generator is a liquid  
2 crystal display.

1        20. The projection display of claim 14, wherein the optical system is a convex lens.